

PCT

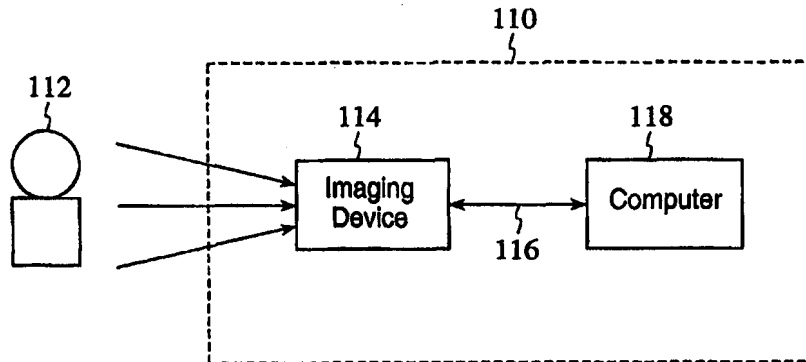
WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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|---|--|--|---|--|
| <p>(51) International Patent Classification ⁶ : H04N 5/222, 5/76</p> | <p>A1</p> | <p>(11) International Publication Number: WO 99/44360</p> <p>(43) International Publication Date: 2 September 1999 (02.09.99)</p> | | |
| <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>(21) International Application Number: PCT/US99/01971</p> <p>(22) International Filing Date: 28 January 1999 (28.01.99)</p> <p>(30) Priority Data: 09/032,385 26 February 1998 (26.02.98) US</p> <p>(71) Applicant: FLASHPOINT TECHNOLOGY, INC. [US/US]; 152 N. Third Street, No. 800, San Jose, CA 95112 (US).</p> <p>(72) Inventor: ANDERSON, Eric, C.; 931 Brentwood Drive, San Jose, CA 95129 (US).</p> <p>(74) Agents: SAWYER, Joseph, A., Jr. et al.; Sawyer & Associates, P.O. Box 51418, Palo Alto, CA 94303 (US).</p> </td> <td style="width: 50%; vertical-align: top;"> <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i></p> </td> </tr> </table> | | | <p>(21) International Application Number: PCT/US99/01971</p> <p>(22) International Filing Date: 28 January 1999 (28.01.99)</p> <p>(30) Priority Data: 09/032,385 26 February 1998 (26.02.98) US</p> <p>(71) Applicant: FLASHPOINT TECHNOLOGY, INC. [US/US]; 152 N. Third Street, No. 800, San Jose, CA 95112 (US).</p> <p>(72) Inventor: ANDERSON, Eric, C.; 931 Brentwood Drive, San Jose, CA 95129 (US).</p> <p>(74) Agents: SAWYER, Joseph, A., Jr. et al.; Sawyer & Associates, P.O. Box 51418, Palo Alto, CA 94303 (US).</p> | <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i></p> |
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(54) Title: SYSTEM AND METHOD FOR DYNAMICALLY UPDATING FEATURES IN AN ELECTRONIC IMAGING DEVICE



(57) Abstract

A system and method for dynamically updating software-driven features in an electronic imaging device (114), including digital cameras, is disclosed. The user of the electronic imaging device (114) may desire various features which are not supported by the baseline application program that is built into the electronic imaging device (114). In the present invention, the user may select removable memory devices to supplement the baseline application program. The user inserts the removable memory device (354) into an external connector (352) of the electronic imaging device. The computer (118) of the electronic imaging device then automatically scans the removable memory device (354) for executable software items, and displays these items in various menus as appropriate. The user may then select these items for execution without having to reboot the computer of the electronic imaging device (114). When the user is finished using the features on the removable memory device (354), he may remove it with no subsequent operator intervention required. The computer (118) of the electronic imaging device (114) then automatically removes from the appropriate menus the executable software items that had been added.

INTERNATIONAL SEARCH REPORT

 International application No.
PCT/US99/01971

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : H04N 5/222, 5/76

US CL : 348/231, 232, 233, 239, 333, 334; 235/492, 472, 441; 711/115

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 348/231, 232, 233, 239, 333, 334; 235/492, 472, 441; 711/115

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---------------|---|---|
| X --- Y | US 5,477,264 A (SSRBADHIKARI et al) 19 December 1995, col. 6, lines 53-66; col. 7, lines 35-67; and col. 9, lines 2-27. | 1-2, 9-14, 21-24 ----- 3-4, 15-16 |
| X --- Y | PCMCIA for PowerBook 500 Series Computers, Apple Computer world-wide-web page 3. | 5-8, 17-20 ----- 3-4, 15-16 |

☐ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

| | |
|---|--|
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| *A* document defining the general state of the art which is not considered to be of particular relevance | *X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
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| *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | *Z* document member of the same patent family |
| *O* document referring to an oral disclosure, use, exhibition or other means | |
| *P* document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

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Date of mailing of the international search report

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 Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

JACQUELINE WILSON

Telephone No. (703) 308-5080



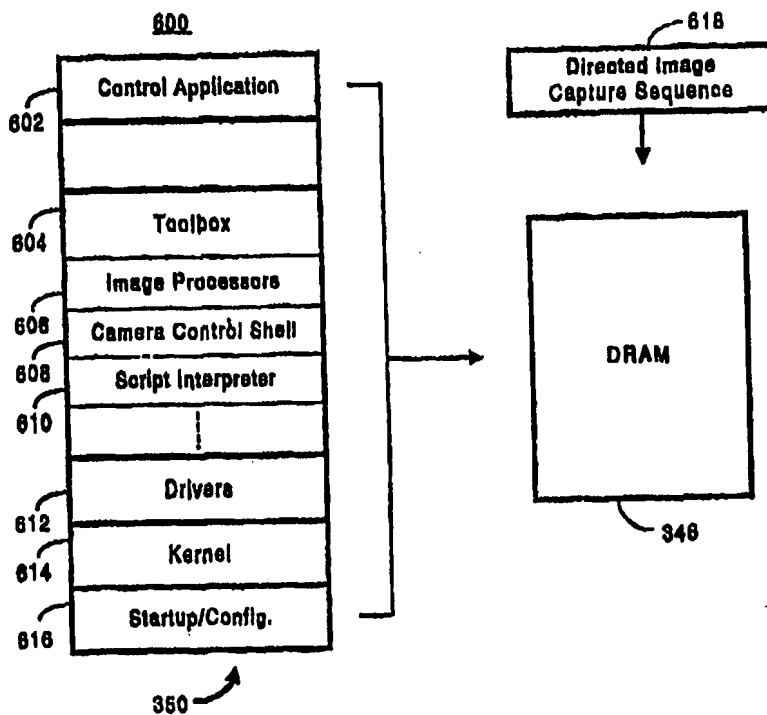
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

| | | |
|---|-----------|--|
| (51) International Patent Classification ⁶ : G06F 19/00, G03B 17/18 | A1 | (11) International Publication Number: WO 99/44166 |
| | | (43) International Publication Date: 2 September 1999 (02.09.99) |
| <p>(21) International Application Number: PCT/US99/01973</p> <p>(22) International Filing Date: 29 January 1999 (29.01.99)</p> <p>(30) Priority Data: 09/032,659 27 February 1998 (27.02.98) US</p> <p>(71) Applicant: FLASHPOINT TECHNOLOGY, INC. [US/US]; 152 N. Third Street, No. 800, San Jose, CA 95112 (US).</p> <p>(72) Inventor: ANDERSON, Eric, C.; 931 Brentwood Drive, San Jose, CA 95129 (US).</p> <p>(74) Agents: SAWYER, Joseph, A., Jr. et al.; Sawyer & Associates, P.O. Box 51418, Palo Alto, CA 94303 (US).</p> | | <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i></p> |

(54) Title: DIRECTING IMAGE CAPTURE SEQUENCES IN A DIGITAL IMAGING DEVICE USING SCRIPTS

(57) Abstract

A method and system for controlling user interaction in a digital imaging device that includes a display screen. The method and system include providing the digital imaging device with a directed image capture sequence (618) that comprises a set of program instructions, which when executed, display interactive instructions on a display screen that prompt the user to perform specific operations. In response to the user performing these operations, the interactive instructions are automatically updated to thereby guide the user through a series of related image captures. The directed image capture sequence is preferably written in an interpreted scripting language (610) and loaded into the camera from an external source to add functionality to the digital imaging device.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/01973

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : G06F 19/00; G03B 17/18
US CL : 396/287; 345/302,326,336

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 396/287; 345/302,326,336

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | US 5,477,264 A (SARBADHIKARI et al.) 19 December 1995, element 24b, Fig. 2; column 1, line 14 to column 3, line 21. | 1-13 |
| X | US 5,189,490 A (SHETTY et al.) 23 February 1993, Figure 5 | 1-13 |
| X | EP 661,658 A2 (BUFF et al.) 05 July 1995, column 1, lines 29-58; column 2, lines 1-27; column 3, lines 20-26 | 1-13 |
| X | US 5,343,386 A (BARBER) 30 August 1994 column 2, lines 56-61. | 1-13 |
| X | US 5,220,614 A (CRAIN) 15 June 1993 column 3, lines 26-40; column 3, lines 55-60. | 1-13 |



Further documents are listed in the continuation of Box C.



See patent family annex.

| | |
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| *A* document defining the general state of the art which is not considered to be of particular relevance | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
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| *O* document referring to an oral disclosure, use, exhibition or other means | |
| *P* document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

22 APRIL 1999

Date of mailing of the international search report

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Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

JEFFREY ALLEN ROSSI

Telephone No. (703) 305-3900



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

| | | |
|--|-----------|--|
| (51) International Patent Classification ⁶ : H04N 1/00 | A1 | (11) International Publication Number: WO 99/48276 (43) International Publication Date: 23 September 1999 (23.09.99) |
| <p>(21) International Application Number: PCT/US99/00030</p> <p>(22) International Filing Date: 4 January 1999 (04.01.99)</p> <p>(30) Priority Data: 09/044,644 18 March 1998 (18.03.98) US</p> <p>(71) Applicant (for all designated States except US): FLASHPOINT TECHNOLOGY, INC. [US/US]; Suite 800, 152 North Third Street, San Jose, CA 95113 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): ANDERSON, Eric, C. [US/US]; 931 Brentwood Drive, San Jose, CA 95129 (US). RAMIREZ, Michael, A. [US/US]; 469 Grant Avenue, Palo Alto, CA 94306 (US). SULLIVAN, Stephen, G. [US/US]; 345 Pacific Grove, Mountain View, CA 94043 (US).</p> <p>(74) Agents: GALLENSON, Mavis, S. et al.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).</p> | | <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i></p> |
| <p>(54) Title: DIGITAL IMAGE CAPTURE DEVICE</p> <div style="text-align: center;"> <p>700</p> <pre> graph TD DC[100: DIGITAL CAMERA] -- DIAL UP CONNECTION --> ISP1[710: ISP] U[720: USER] -- DIAL UP CONNECTION --> ISP2[715: ISP] ISP1 <--> I[750: INTERNET] ISP2 <--> I I <--> IS[760: ID Server] </pre> </div> <p>(57) Abstract</p> <p>The present invention comprises a method and system for implementing Internet access to images stored in a digital image capture unit including an imaging device and display. The image capture unit (e.g., a digital camera) is used to capture images and store them within its internal memory. The image capture unit accesses an ID server via the Internet and registers its identity and Internet address with the web server. A user subsequently accesses the image capture unit by entering the identity of the image capture unit into his web browser. The web browser, using standard Internet protocols, then queries the ID server with the identity of the image capture unit and retrieves the Internet address. The Internet address is subsequently used to access a web page hosted by the image capture unit and display the web page to the user. The web page provides access to the stored images within the image capture unit.</p> | | |

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/00030

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04N1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | WO 97 38510 A (MATSUSHITA GRAPHIC COMMUNIC ;SAITO KYOJI (JP); BANDO TATSUO (JP);) 16 October 1997 see abstract | 1,9 |
| P,X | & EP 0 835 011 A (MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS, INC.) 8 April 1998 see column 5, line 38 - line 58 | 1,9 |
| P,A | PATENT ABSTRACTS OF JAPAN vol. 098, no. 014, 31 December 1998 & JP 10 243153 A (RICOH CO LTD), 11 September 1998 see abstract | 1,9,16 |
| A | WO 96 02106 A (VISION 1 INT LTD ;VELLACOTT OLIVER RICHARD (GB)) 25 January 1996 see abstract see page 7, line 29 - line 35 | 1,9 |
| -/-- | | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

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Date of mailing of the international search report

14/04/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hazel, J

INTERNATIONAL SEARCH REPORT

Intern. Application No.

PCT/US 99/00030

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | EP 0 821 522 A (CANON KK) 28 January 1998 see abstract ----- | 7 |



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

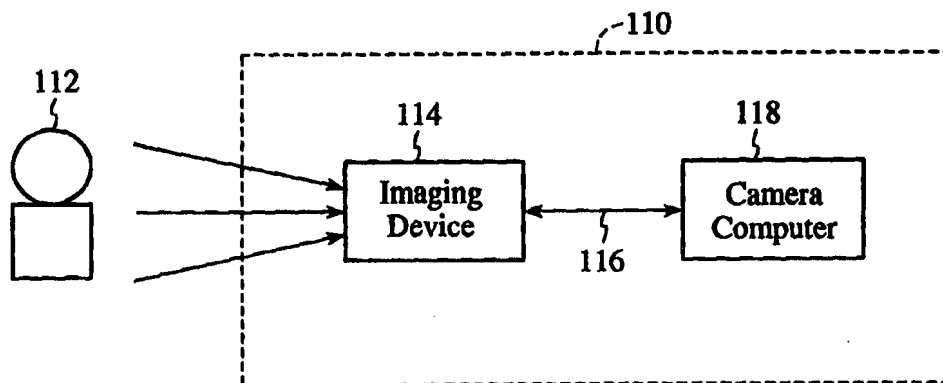
| | | |
|---|-----------|--|
| (51) International Patent Classification ⁶ : G03B 7/00 | A1 | (11) International Publication Number: WO 99/46637 (43) International Publication Date: 16 September 1999 (16.09.99) |
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(21) International Application Number: PCT/US99/05370

(22) International Filing Date: 11 March 1999 (11.03.99)

(30) Priority Data:
09/038,079 11 March 1998 (11.03.98) US(71) Applicant: FLASHPOINT TECHNOLOGY, INC. [US/US];
152 N. Third Street #800, San Jose, CA 95112 (US).(72) Inventor: ANDERSON, Eric, C.; 931 Brentwood Avenue, San
Jose, CA 95131 (US).(74) Agents: SAWYER, Joseph, A., Jr. et al.; Sawyer & Associates,
P.O. Box 51418, Palo Alto, CA 94303 (US).(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR,
BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE,
GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent
(GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).**Published***With international search report.*

(54) Title: SYSTEM AND METHOD FOR THE AUTOMATIC CAPTURE OF SALIENT STILL IMAGES



(57) Abstract

An electronic imaging device (110) for the automatic capture of salient still images of the image (112). The device further having a camera computer (118) for detecting a high contrast image and notifying the presence of the high contrast image and controlling the exposure of the device for selecting salient still capture mode, and storing salient still images in a computer readable storage medium.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/05370

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : G03B 7/00

US CL : 348/362

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 348/362, 365, 231, 207

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | US 5,548,371 A (KAWAHARA et al) 20 August 1996, Figs. 1-29, col. 8, line 6- col. 31, line 55. | 1-43 |
| Y | US 5,649,032 A (BURT et al) 15 July 1997, Figs. 1-14, col. 4, line 1- col. 20, line 65. | 1-43 |



Further documents are listed in the continuation of Box C.



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Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

WENDY GARBER

Telephone No. (703) 305-4929

INTERNATIONAL SEARCH REPORT

Intern ial Application No

PCT/US 98/24076

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

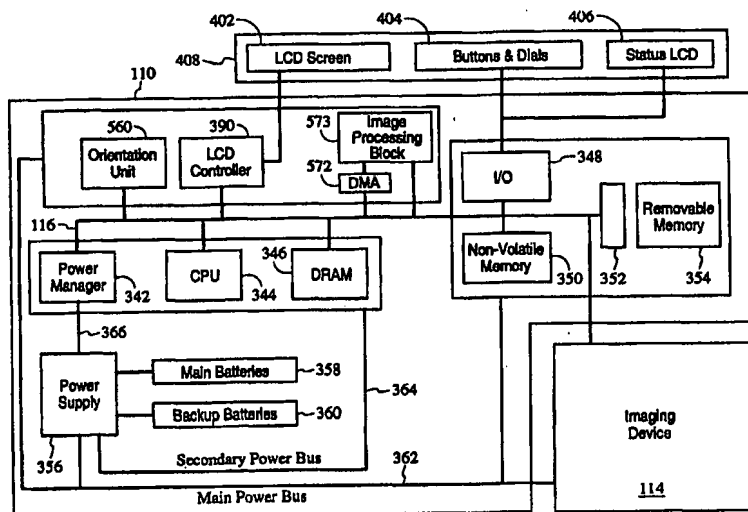
| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| X | HAUF C R ET AL: "The FlashPix(TM) image file format" FINAL PROGRAM AND PROCEEDINGS OF IS&T/SID FOURTH COLOR IMAGING CONFERENCE: COLOR SCIENCE, SYSTEMS AND APPLICATIONS, PROCEEDINGS OF THE FOURTH COLOR IMAGING CONFERENCE: COLOR SCIENCE, SYSTEMS AND APPLICATIONS, SCOTTSDALE, AZ, USA, 19-22 NOV. 1996, pages 234-238, XP002096078 ISBN 0-89208-196-1, 1996, Springfield, VA, USA, Soc. Imaging Sci. & Technol, USA see page 236, column 1, line 23 - page 236, column 2, line 10 ---- | 1,13,23, 24,27,34 |
| A | WO 91 14334 A (EASTMAN KODAK CO) 19 September 1991 see abstract see page 1, line 1 - page 5, line 3 ----- | 1,13,23, 24,27,34 |



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: METHOD AND SYSTEM FOR EXTENDING THE AVAILABLE IMAGE FILE FORMATS IN AN IMAGE CAPTURE DEVICE



(57) Abstract

A system and method for adding file formats to a digital imaging device is disclosed. The digital imaging device includes a built-in file format. The method and system include allowing a user to load a first file extension module, providing a management layer, and providing a plurality of data processing utilities. The first file extension module includes a second file format. The management layer communicates with the first file extension module to write and read an image file having the second file format. The management layer also communicates with a portion of the digital imaging device using an internal format. The plurality of data processing utilities are for converting data to between the second file format and the internal format.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/24076

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ² | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------------------|---|-----------------------|
| X | WO 92 09169 A (PERSONAL COMPUTER CAMERAS INC ;ROBERTS MARC K (US); CHIKOSKY MATTH) 29 May 1992 see abstract see page 1, line 1 - page 3, line 13 --- | 1,13,23, 24,27,34 |
| X | WATANABE M ET AL: "An image data file format for digital still camera" FINAL PROGRAM AND ADVANCE PRINTING OF PAPERS, IS&T'S 48TH ANNUAL CONFERENCE. IMAGING ON THE INFORMATION SUPERHIGHWAY, PROCEEDINGS OF 48TH ANNUAL CONFERENCE OF THE SOCIETY FOR IMAGING SCIENCE AND TECHNOLOGY, WASHINGTON, DC, USA, 7-11 MAY 1995, pages 421-424, XP000618775 ISBN 0-89208-184-8, 1995, Springfield, VA, USA, Soc. Imaging Sci. & Technol, USA see the whole document --- -/- | 1,13,23, 24,27,34 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Katerbau, R

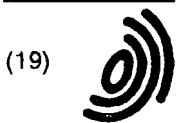
INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/24076

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|---|-----------------------|
| X | HAUF C R ET AL: "The FlashPix(TM) image file format" FINAL PROGRAM AND PROCEEDINGS OF IS&T/SID FOURTH COLOR IMAGING CONFERENCE: COLOR SCIENCE, SYSTEMS AND APPLICATIONS, PROCEEDINGS OF THE FOURTH COLOR IMAGING CONFERENCE: COLOR SCIENCE, SYSTEMS AND APPLICATIONS, SCOTTSDALE, AZ, USA, 19-22 NOV. 1996, pages 234-238, XP002096078 ISBN 0-89208-196-1, 1996, Springfield, VA, USA, Soc. Imaging Sci. & Technol, USA see page 236, column 1, line 23 - page 236, column 2, line 10 --- | 1,13,23, 24,27,34 |
| A | WO 91 14334 A (EASTMAN KODAK CO) 19 September 1991 see abstract see page 1, line 1 - page 5, line 3 ----- | 1,13,23, 24,27,34 |



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(11) **EP 0 734 157 A3**

(12)

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• **Kawai, Tomoaki**
Tokyo (JP)

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(74) Representative:
Beresford, Keith Denis Lewis et al
BERESFORD & Co.
2-5 Warwick Court
High Holborn
London WC1R 5DJ (GB)

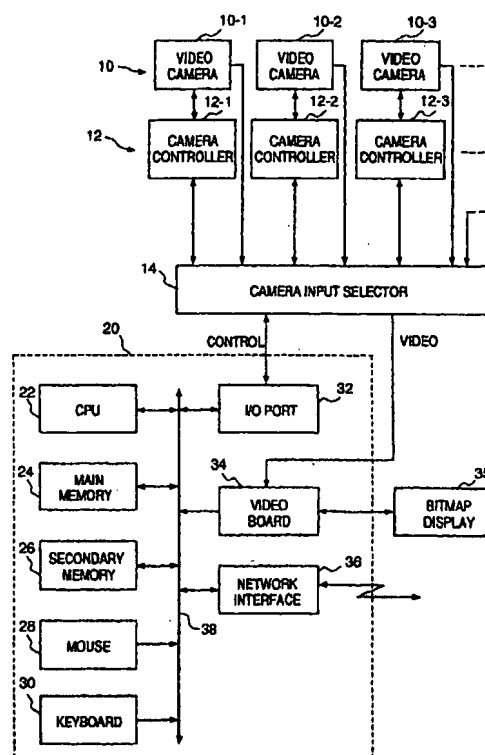
(71) Applicant: **CANON KABUSHIKI KAISHA**
Tokyo (JP)

(72) Inventors:
• **Oya, Takashi**
Tokyo (JP)

(54) Camera control system

(57) A camera control system having a plurality of cameras connected to a network, enabling users to be informed of such as status of use of each camera and each user's access right in a real-time manner. The system, where one of cameras controllable via the network is selected and video-display of output from the selected camera and operation of the camera are controlled, has camera-status display device for real-time displaying the statuses of at least two cameras.

FIG. 1



EP 0 734 157 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 30 1873

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|--|---|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
| X | WO 94 24813 A (WASHINO KINYA) * page 12, line 3 - line 19; figure 5 * | 1,8 | H04N5/232 H04N7/15 H04N7/18 |
| X | THOUVENOT N: "URBAN VIDEO SURVEILLANCE SYSTEM" ELECTRICAL COMMUNICATION, 1 April 1994, pages 143-147, XP000461584 * page 143, left-hand column, line 21 - middle column, line 4 * * page 146, right-hand column, line 44 - page 147, left-hand column, line 5; figure 3 * | 1,3,7-10 | |
| Y | --- | 15 | |
| X | US 4 516 156 A (FABRIS ALFONSO V ET AL) 7 May 1985 * column 18, line 40 - column 19, line 16; figure 9C * * column 12, line 12 - line 51 * * column 4, line 66 - column 5, line 30 * | 1,2,11,13 | |
| Y | --- | 3,5 | TECHNICAL FIELDS SEARCHED (Int.Cl.6) H04N |
| X | US 4 992 866 A (MORGAN JACK B) * column 2, line 63 - column 3, line 48 * * column 5, line 49 - line 57 * | 11,13 | |
| Y | --- | 3,15 | |
| A | --- | 7 | |
| X | US 5 182 641 A (DINER DANIEL B ET AL) 26 January 1993 * column 1, line 65 - column 2, line 27 * * column 7, line 11 - line 13 * | 11-13 | |
| Y | ----- | 5 | |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 15 April 1998 | Examiner Bequet, T |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p> | | | |

EPO FORM 1503 (02.92) (P0401)